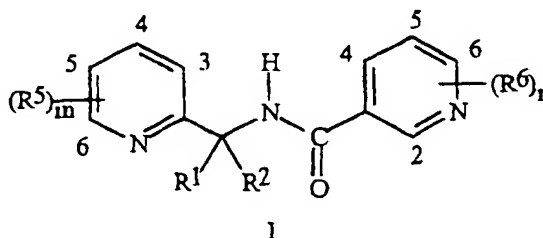


CLAIMS

What is claimed is:

1. A composition for controlling plant diseases caused by fungal plant pathogens comprising:

(a) at least one compound of Formula I, *N*-oxides and agriculturally suitable salts thereof



wherein

$R^1$  and  $R^2$  are each independently H or  $C_1$ - $C_6$  alkyl;

each  $R^5$  is independently  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_3$ - $C_6$  cycloalkyl,  $C_2$ - $C_6$  haloalkenyl,  $C_2$ - $C_6$  haloalkynyl,  $C_3$ - $C_6$  halocycloalkyl, halogen, CN,  $CO_2H$ ,  $CONH_2$ ,  $NO_2$ , hydroxy,  $C_1$ - $C_4$  alkoxy,  $C_1$ - $C_4$  haloalkoxy,  $C_1$ - $C_4$  alkylthio,  $C_1$ - $C_4$  alkylsulfinyl,  $C_1$ - $C_4$  alkylsulfonyl,  $C_1$ - $C_4$  haloalkylthio,  $C_1$ - $C_4$  haloalkylsulfinyl,  $C_1$ - $C_4$  haloalkylsulfonyl,  $C_1$ - $C_4$  alkylamino,  $C_2$ - $C_8$  dialkylamino,  $C_3$ - $C_6$  cycloalkylamino,  $C_2$ - $C_6$  alkylcarbonyl,  $C_2$ - $C_6$  alkoxycarbonyl,  $C_2$ - $C_6$  alkylaminocarbonyl,  $C_3$ - $C_8$  dialkylaminocarbonyl or  $C_3$ - $C_6$  trialkylsilyl;

each  $R^6$  is independently  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_3$ - $C_6$  cycloalkyl,  $C_1$ - $C_6$  haloalkyl,  $C_2$ - $C_6$  haloalkenyl,  $C_2$ - $C_6$  haloalkynyl,  $C_3$ - $C_6$  halocycloalkyl, halogen, CN,  $CO_2H$ ,  $CONH_2$ ,  $NO_2$ , hydroxy,  $C_1$ - $C_4$  alkoxy,  $C_1$ - $C_4$  haloalkoxy,  $C_1$ - $C_4$  alkylthio,  $C_1$ - $C_4$  alkylsulfinyl,  $C_1$ - $C_4$  alkylsulfonyl,  $C_1$ - $C_4$  haloalkylthio,  $C_1$ - $C_4$  haloalkylsulfinyl,  $C_1$ - $C_4$  haloalkylsulfonyl,  $C_1$ - $C_4$  alkylamino,  $C_2$ - $C_8$  dialkylamino,  $C_3$ - $C_6$  cycloalkylamino,  $C_2$ - $C_6$  alkylcarbonyl,  $C_2$ - $C_6$  alkoxycarbonyl,  $C_2$ - $C_6$  alkylaminocarbonyl,  $C_3$ - $C_8$  dialkylaminocarbonyl or  $C_3$ - $C_6$  trialkylsilyl; and

*m* and *n* are independently 1, 2, 3 or 4; and

(b) at least one compound selected from the group consisting of

(b1) alkylenebis(dithiocarbamate) fungicides;

(b2) compounds acting at the *bc*<sub>1</sub> complex of the fungal mitochondrial respiratory electron transfer site;

(b3) cymoxanil;

(b4) compounds acting at the demethylase enzyme of the sterol biosynthesis pathway;

- (b5) morpholine and piperidine compounds that act on the sterol biosynthesis pathway;
- (b6) phenylamide fungicides;
- (b7) pyrimidinone fungicides;
- (b8) phthalimides; and
- 5 (b9) fosetyl-aluminum.

2. The composition of Claim 1 wherein the weight ratio of component (b) to component (a) is from 9:1 to 4.5:1.

3. The composition of Claim 2 wherein component (b) is cymoxanil.

10 4. The composition of Claim 2 wherein component (b) is a compound selected from (b1).

5. The composition of Claim 4 wherein component (b) is mancozeb.

6. The composition of Claim 2 wherein component (b) is a compound selected from (b2).

7. The composition of Claim 6 wherein component (b) is famoxadone.

15 8. The composition of Claim 1 wherein component (b) comprises at least one compound from each of two different groups selected from (b1), (b2), (b3), (b4), (b5), (b6), (b7), (b8) and (b9).

20 9. The composition of Claim 8 wherein component (b) comprises at least one compound selected from (b1) and at least one compound selected from (b2), (b3), (b6), (b7), (b8) or (b9); wherein the overall weight ratio of component (b) to component (a) is from 30:1 to 1:30; and wherein the weight ratio of component (b1) to component (a) is from 10:1 to 1:1.

25 10. The composition of Claim 8 wherein component (b) comprises at least one compound selected from (b2) and at least one compound selected from (b1), (b3), (b6), (b7), (b8) or (b9); wherein the overall weight ratio of component (b) to component (a) is from 30:1 to 1:30; and wherein the weight ratio of component (b2) to component (a) is from 10:1 to 1:1.

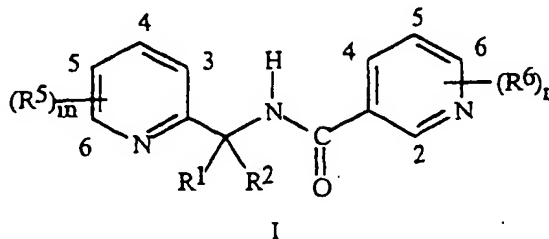
30 11. The composition of Claim 8 wherein component (b) comprises cymoxanil and at least one compound selected from (b1), (b2), (b6), (b7), (b8) or (b9); wherein the overall weight ratio of component (b) to component (a) is from 30:1 to 1:30; and wherein the weight ratio of cymoxanil to component (a) is from 10:1 to 1:1.

12. A method for controlling plant diseases caused by fungal plant pathogens comprising applying to the plant or portion thereof, or to the plant seed or seedling, a fungicidally effective amount of a composition of Claim 1.

35 13. The method of Claim 12 wherein the disease to be controlled is caused by the fungal pathogen *Phytophthora infestans*.

14. The method of Claim 12 wherein the disease to be controlled is caused by the fungal pathogen *Plasmopara viticola*.

15. A compound of Formula I, including all geometric and stereoisomers, *N*-oxides and agriculturally suitable salts thereof:



wherein

- 5  $R^1$  and  $R^2$  are each independently H or  $C_1$ - $C_6$  alkyl;  
 each  $R^5$  is independently  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_3$ - $C_6$  cycloalkyl,  $C_2$ - $C_6$  haloalkenyl,  $C_2$ - $C_6$  haloalkynyl,  $C_3$ - $C_6$  halocycloalkyl, halogen, CN,  $CO_2H$ ,  $CONH_2$ ,  $NO_2$ , hydroxy,  $C_1$ - $C_4$  alkoxy,  $C_1$ - $C_4$  haloalkoxy,  $C_1$ - $C_4$  alkylthio,  $C_1$ - $C_4$  alkylsulfinyl,  $C_1$ - $C_4$  alkylsulfonyl,  $C_1$ - $C_4$  haloalkylthio,  
 10  $C_1$ - $C_4$  haloalkylsulfinyl,  $C_1$ - $C_4$  haloalkylsulfonyl,  $C_1$ - $C_4$  alkylamino,  $C_2$ - $C_8$  dialkylamino,  $C_3$ - $C_6$  cycloalkylamino,  $C_2$ - $C_6$  alkylcarbonyl,  $C_2$ - $C_6$  alkoxycarbonyl,  $C_2$ - $C_6$  alkylaminocarbonyl,  $C_3$ - $C_8$  dialkylaminocarbonyl or  $C_3$ - $C_6$  trialkylsilyl;  
 each  $R^6$  is independently  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_3$ - $C_6$  cycloalkyl,  $C_1$ - $C_6$  haloalkyl,  $C_2$ - $C_6$  haloalkenyl,  $C_2$ - $C_6$  haloalkynyl,  $C_3$ - $C_6$  halocycloalkyl, halogen, CN,  $CO_2H$ ,  $CONH_2$ ,  $NO_2$ , hydroxy,  $C_1$ - $C_4$  alkoxy,  $C_1$ - $C_4$  haloalkoxy,  $C_1$ - $C_4$  alkylthio,  $C_1$ - $C_4$  alkylsulfinyl,  $C_1$ - $C_4$  alkylsulfonyl,  $C_1$ - $C_4$  haloalkylthio,  $C_1$ - $C_4$  haloalkylsulfinyl,  $C_1$ - $C_4$  haloalkylsulfonyl,  $C_1$ - $C_4$  alkylamino,  $C_2$ - $C_8$  dialkylamino,  $C_3$ - $C_6$  cycloalkylamino,  $C_2$ - $C_6$  alkylcarbonyl,  
 15  $C_2$ - $C_6$  alkoxycarbonyl,  $C_2$ - $C_6$  alkylaminocarbonyl,  $C_3$ - $C_8$  dialkylaminocarbonyl or  $C_3$ - $C_6$  trialkylsilyl; provided that at least one  $R^6$  is iodo; and  
 20 m and n are independently 1, 2, 3 or 4.